



Base for read/write station

U-P6-B6

- PROFIBUS DP acc. to EN 50170
- 2 PG screw fittings for IN and OUT supply
- 2 EMV PG screw fittings for BUS IN and OUT
- Complete read/write functionality via the PROFIBUS DP
- Transmission of up to 7 double words, 32 bit each, in one cycle
- Connectable bus termination
- Field device with degree of protection IP67

Base for PROFIBUS DP



Function

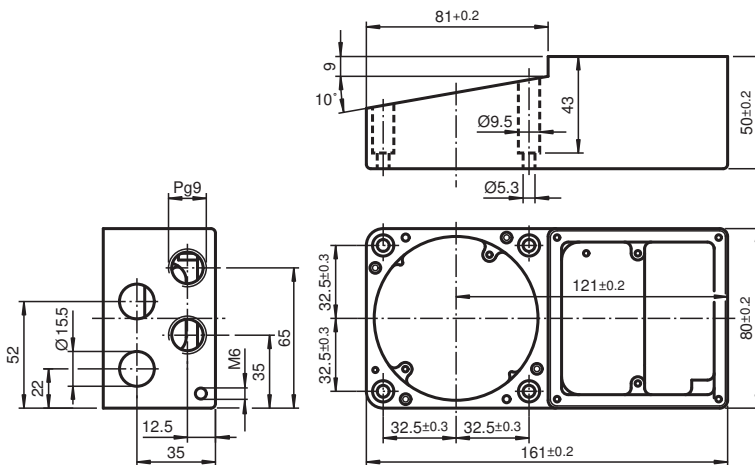
The base is used in combination with an upper part, the IPT*-FP read/write station.

The device is operated as a slave on the PROFIBUS DP. The device makes available the complete read/write functionality. Up to 32 bytes are transmitted per cycle. Of these, up to 7 double words, each with 32 bits, are available to the user.

The address is set and the terminating resistor for the bus is connected via DIP switches.

While the bus termination is switched on, the subsequent subscribers which are connected to the terminals (P, N out) are disconnected from the bus.

Dimensions



Technical Data

Indicators/operating means

DIP switch

Setting the station address
bus connection
ON = active OFF = non-active

Electrical specifications

Rated operating voltage

U_e 20 ... 30 V DC , ripple 10 %_{SS} , PELV

Power consumption

P_0 max. 5 W with read/write head IPT*-FP

Galvanic isolation

Operating voltage/interface

functional insulation acc. to DIN EN 50178, rated insulation voltage 50 V_{eff}

Interface

Physical

RS-485

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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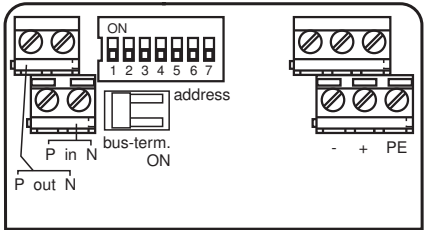
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 **PEPPERL+FUCHS**

Technical Data

Protocol	PROFIBUS DP acc. to EN 50170	
Transfer rate		9.6; 19.2; 93.75; 187.5; 500; 1500 kBit/s 3; 6; 12 Mbit/s self-synchronizing
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Degree of protection		IP67 according to EN 60529 with IPT*-FP
Connection		screw terminals
Interface cable		2 x 0.64 mm ² , double screened, acc. to PROFIBUS standard EN 50170
Supply		up to 3 x 1.5 mm ²
Material		
Housing		aluminum, black anodized

Connection



Matching system components

	IPT1-FP	LF R/W system, fully assembled as configuration and test station
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